



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#3/JDS
7/25/02

DOCKET NO. 63469

Inventor: Douglas W. Carr
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Serial No.: 10/007,604 BEFORE THE PRIMARY EXAMINER

Filed: November 7, 2001 Group Art Unit 3641

Title: BULLET FOR OPTIMAL PENETRATION AND EXPANSION

SUPPLEMENTAL DISCLOSURE UNDER RULE 1.56

Assistant Commissioner
for Patents
Washington, D.C. 20231

Dear Sir or Madam:

Supplemental to the initial disclosure filed on March 20, 2002 of patents pertinent relative to the above-identified application, submitted herewith is an additional disclosure of patents which have since come to the attention of the inventor's of the above patent application.

U.S. Patent No. 1,059,213 issued to Ross, shows a metal jacket having a base portion extending completely over one end and having a sharp pointed swaged portion enclosing the other end of a jacketed bullet.

U.S. Patent No. 1,095,501 issued to Hoagland, shows a hollow point bullet the metal of which is swaged into alternate ribs and depressions which converge toward the tip of the bullet.

U.S. Patent No. 1,135,357 issued to Clyne, shows a mushroom bullet consisting of soft metal core having a pointed spreader imbedded within the core and a jacket having interior grooves forming a weakened section.

U.S. Patent No. 1,556,160 issued to Riggs, shows a game bullet in which the hollow point metal body has an axial bore at the tip which terminates short of the base and a forward portion which is thin and easily split.

U.S. Patent No. 1,833,127 issued to Rinkel, shows a hollow point bullet having a cup-shaped base.

U.S. Patent No. 2,045,964 issued to Rinkel, shows a bullet comprised of a casing with a pointed closed nose and a cylindrical body. The nose is split into separable leaves and is flat. The core terminates short of the nose.

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U.S. Patent No. 2,123,981 issued to Whipple, shows an unjacketed zinc section with a longitudinal recess and a plug of soft metal in the recess.

U.S. Patent No. 2,327,950 issued to Whipple, shows a projectile having a jacket which has a thin nose edge with indentations therewithin. It also shows a relatively soft metal core, a portion of which is held within the jacket and a portion of which projects forwardly beyond the scalloped edge. The jacket has a major wall portion which is of substantially uniform thickness and is thinned at the nose edge.

U.S. Patent No. 2,765,738 issued to Frech, Jr., shows a mushrooming bullet the base jacket of which is of uniform thickness throughout and a cold worked circumferential thickness adjacent the mouth. The circumferentially spaced axially extending sections are cold worked to a greater extent than its intervening axially extending sections.

U.S. Patent No. 3,003,420 issued to Nosler, shows a bullet having a partition intermediate its ends and front and rear sockets therein with a lead slug in each.

U.S. Patent No. 3,157,137 issued to Burns, Jr., shows an expanding point bullet having a jacket and at the nose being radially folded inwardly at uniform intervals to form a plurality of jacket staves extending from the rim and forming jacket ribs extending longitudinally and radially inwardly to form the central hub at the hollow point, and a number of hollows around the hub.

U.S. Patent No. 4,044,685 issued to Avein, shows a jacketless hunting bullet the hollow head of which tapers toward a point and wall structure which increases in thickness toward the rear, with a cylindrical hollow space which holds a plastic spreading material that forms the tip of the bullet. This spreading material rolls back the head after splitting same along notches formed in the hollow wall.

U.S. Patent No. 4,245,557 issued to Knappworst, et al., shows a bullet consisting of core member with a blind bore, an insert member of a harder material within the bore, and a lug joining the insert and core members. The jacket surrounds the rear portion of the core member up to short of the forward edge of the core member. The core member is made of a synthetic resin which is inserted as a member of impact-resistant plastic.

U.S. Patent No. 4,655,140 issued to Schirneker, shows a bullet having a forwardly tapered body with cuts or notches at its forward end to resist rotation and slow the bullet by the time it reaches the target in order to

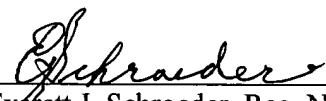
provide a cleaner entry and passage within the target as it mushrooms with greater impact. A bonnet slows rotation before the target is reached but increases rotation within the target. Notches extend in a direction opposite to the direction of bullet rotation.

U.S. Patent No. 5,101,732 issued to Schluckebier, shows a hollow point bullet having a jacket which extends fully within the hollow open front end of the bullet. Radial slits extend through the jacket within the hollow front end from the axis to the mouth and forms prongs therebetween.

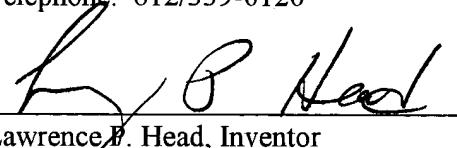
As previously indicated, the inventors will remain alert for any additional relevant patents which may come to their attention in their daily efforts in the manufacture of ammunition and will report same if and when they are encountered.

In accordance with 37 C.F.R. §197(h) the filing of this Information Disclosure Statement is not to be construed as an admission that any references or combination of references cited herein is, or is considered, material to patentability as defined in 37 C.F.R. §1.56(b).

Respectfully submitted,

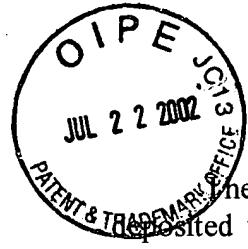


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Enclosures



CERTIFICATE OF MAILING

I hereby certify that the foregoing SUPPLEMENTAL DISCLOSURE UNDER RULE 1.56, is being deposited with the U.S. Postal Service as First Class Mail, in an envelope addressed to: Assistant Commissioner For Patents, Washington, D.C., this 17th day of July, 2002.

Everett J. Schroeder
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